

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A low-output microwave lighting system comprising:
 - a rectifier for rectifying general AC power inputted through a power source unit and outputting a DC voltage;
 - a power factor compensator for compensating a power factor of the DC voltage inputted through the rectifier;
 - an inverter circuit unit for receiving the power factor-compensated DC voltage and outputting an AC voltage through frequency varying;
 - a magnetron driving unit for transforming the AC voltage inputted from the inverter circuit unit and generating a magnetron filament current and a high level voltage; and
 - a magnetron lighted by the high level voltage and current outputted from the magnetron driving unit, wherein the power factor compensator comprises,
 - a PFC controller for outputting a ~~controlling~~ control signal for power factor compensation by a rectified signal inputted through the rectifier, and